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CHK	AR	<u>10</u>	channels in	hibits the exci	A.H., "Blockade of spinal tability of rat dorsal horn ain 69:93-100, Elsevier S	neurones p	roduced by subc	utaneous	
	AS	<u>10</u>	Growing Av Axons Reg	Edmonds, B.T. and Koenig, E., "Transmembrane Cytoskeletal Modulation in Preterminal Growing Axons: I. Arrest of Bulk and Organelle Transport in Goldfish Retinal Ganglion Cell Axons Regenerating In Vitro by Lectins Binding to Sialoglycoconjugates," <i>Cell Motil.</i> Cytoskeleton 17:106-117, Wiley-Liss, Inc. (1990)					
CMK	АТ	<u>10</u>	growing axe	ons. II. <i>Limax</i> : ion in vari <mark>c</mark> osit	ig, E., "Transmembrane flavus agglutinin-induced ies of growing axons," <i>J.</i>	receptor re	distribution, capp	ing and	
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CMK	AR	11	aeruginosa	Garber, N., et al., "On the specificity of the D-galactose-binding lectin (PA-I) of <i>Pseudomonas</i> aeruginosa and its strong binding to hydrophobic derivatives of D-galactose and hiogalactose," <i>Biochim. Et Biophys. Acta 1116</i> :331-333, Elsevier Science Publishers B.V.					
	AS	11	substance	sarret, C., et al., "Pharmacological properties of a potent and selective nonpeptide ubstance P antagonist," <i>Proc. Natl. Acad. Sci. USA 88</i> :10208-10212, National Academy of ciences (1991)					
CMK	AT	11	Erythrina co	pta, D., et al., "Differences in the Cross-Linking Activities of Native and Recombinant Athrina corallodendron Lectin with Asialofetuin. Evidence for Carbohydrate-Carbohydrate eractions in Lectin-Glycoprotein Complexes," Biochem. 33:2503-2508, American Chemical ciety (1994)					
EXAMINER	<u> </u>		She			DATE	CONSIDERED	5/5/05	
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	AS	<u>12</u>		glesias, J.L., et al., "Purification and Properties of a D-Galactose/N-Acetyl-D-galactosamine- Specific Lectin from <i>Erythrina cristagalli</i> ," <i>Eur. J. Biochem. 123</i> :247-252, Blackwell Science .td. (1982)						
CYK	AT	<u>12</u>	Vasodilatio	mbeck, F. and Holzer, P., "Substance P as Neurogenic Mediator of Antidromic asodilation and Neurogenic Plasma Extravasation," <i>Naunyn-Schmied. Arch. Pharmacol.</i> 0:175-183, Springer-Verlag (1979)						
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	AS	13	accumulat	Pintér, E., et al., "Lack of evidence for tachykinin NK ₁ receptor-mediated neutrophil accumulation in the rat cutaneous microvasculature by thermal injury," Eur. J. Pharmacol. 369:91-98, Elsevier Science B.V. (March 1999)						
CMK	AT	13	and auton	ilverman, J.D. and Kruger, L., "Selective neuronal glycoconjugate expression in sensory and autonomic ganglia: relation of lectin reactivity to peptide and enzyme markers," <i>J. leurocytol.</i> 19:789-801, Chapman and Hall Ltd. (1990)						
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	AS	14	System of	Welch, M. and Foster, K., "Chapter 26. Cell Culture of Neurons of the Peripheral Nervous System of Birds and Mammals," in: <i>The Neuron in Tissue Culture</i> , Haynes, L.W., ed., John Wiley & Sons Ltd., New York, N.Y. pp-389-393 (December 1999)					
CMK	AT	14		Zambenedetti, P., <i>et al.</i> , "Identification of lectin binding sites in the rat brain," <i>Glycoconj. J.</i> /3:341-346, Chapman & Hall (June 1996)					
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	AS	<u>15</u>		Esp@cenet Database 12, English language abstract of European Patent No. 0 602 686 A2 (Document AO3)					
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. 	AG1	6,632,4	40 B1	10/14/2003	Quinn et al.			
	AH1	2003/01	147895 A1	08/07/2003	Shone et al.			
	Al1	2003/01	166238 A1	09/04/2003	Shone et al.			
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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